

ABSTRACT OF THE INVENTION

A decorative or structural element including a ribbon of material having a body portion and two ends forming a plurality of peaks and troughs in a generally sinusoidal waveform. The body portion defines two major surfaces and two minor perimeter surfaces, wherein the ribbon defines a longitudinal axis. The waveform may have constant or variable amplitudes and/or wavelengths, in various combinations. Moreover, the ribbon may have an overall convex or concave form as well as hybrid convex-concave or concave-convex forms. A flange may be secured to a major surface or a perimeter surface, thereby increasing the structural integrity of the element. In such embodiments, the ribbon may be continuous or discontinuous. In addition, the ribbon may be formed to include longitudinal twists with or without the presence of at least one flange.